

# Work Order ID 81553

Thursday, March 15, 2012 10:36:10 AM

**\*81553\***

Page 1

Item ID: D412-706-011

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: Fuel Purge Canister

Start Date: 3/15/2012 Start Qty: 1.00

**\*1\***

Cust Item ID:

Required Date: 3/23/2012 Req'd Qty: 1.00

**\*1\***

Customer:

Reference:

Approvals:

Process Plan:

Date: 12-03-15 Tooling:

Date:

QC:

Date: SPC (Y/N):

Date:

Run Start **\*NR1\***

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
DSI 9494	B
IIN-D412-706	A

*Handwritten initials*

100

0.00

**\*100\***

DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile and create labels per PPP D412-706-011 CHG003

*Handwritten: MJS 12/03/20*

110

Pick Kit

0.00

**\*110\***

Packaging

Memo

0.00

Packaging

*Handwritten: SP 12-03-21*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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**NOTE:** Date & initial all entries

**Work Order ID 81553****\*81553\***

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Accept

**\*N900040100\***Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: Fuel Purge Canister

Start Date: 3/15/2012 Start Qty: 1.00

**\*1\***

Cust Item ID:

Required Date: 3/23/2012 Req'd Qty: 1.00

**\*1\***

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start **\*NR1\***

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC4- 100% Inspect kits for completeness	0.00							
<b>*120*</b>									
QC	Memo	0.00							
Quality Control									
130		0.00							
<b>*130*</b>	Packaging								
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPPD412-706-011								
	Location: _____								
	PPP Rev: <u>LE</u>								
140	QC21- Final Inspection - Work Order Release	0.00							
<b>*140*</b>									
QC	Memo	0.00							
Quality Control									

12/03/21

1x Sp 12-03-21

MLJ 12/03/21

MF  
12-03-21

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Parent Item: D412-706-011

**\*D412-706-011\***

Parent Item Name: Fuel Purge Canister

Start Date: 3/15/2012

Required Date: 3/23/2012

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:E 04.12.03 Remove AN6289-6D; Change Qty of 924-6DKJ/JLM  
REV: IPP  
IPP Rev:F 08-05-14 revise comment in seq.17 /24 DD verified by:EC IPP rev G  
10.01.18 per DSI9494 EC verified by:DD IPP Rev:H 10.03.23  
as per IIN revA DD verified by:EC IPP Rev:I 10.05.10 as per  
chg003 DD verified :EC IPP REV K 11.06.17 AS PER CHG  
002 JLM VERIFIED BY:ec

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2001-4 <b>*D2001-4*</b> Valve Assembly (1/4")		Manufactured	No			110	Each	16.0000	1	1			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST002				16					
				77058				6					
				77201				10					
D3262-043 <b>*D3262-043*</b> Canister Assembly		Manufactured	No			110	Each	1.0000	1	1			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST198A				1					
				77591				1					
D3264-1 <b>*D3264-1*</b> Bracket		Manufactured	No			110	Each	2.0000	2	2			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST198A				2					
				75995				2					

379348 SP  
12-03-21

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Parent Item Name: Fuel Purge Canister

Start Date: 3/15/2012

Required Date: 3/23/2012

Start Qty: 1.00

Required Qty: 1.00

D3297-1-0098

Manufactured No

110

Each

6.0000

1

1

\*D3297-1-0098\*

HOSE ASS'Y

\*\*

Location

Loc Qty

Loc Code

ST191

6

75973

2

77601

4

110

Each

5.0000

1

1

\*\*

D3297-3-0085

Manufactured No

\*D3297-3-0085\*

HOSE ASS'Y

Location

Loc Qty

Loc Code

ST191

5

75972

1

77599

4

110

Each

6.0000

1

1

\*\*

D3297-3-0210

Manufactured No

\*D3297-3-0210\*

HOSE ASS'Y

Location

Loc Qty

Loc Code

ST192

6

75971

3

76204

3

110

Each

2.0000

1

1

\*\*

D4054-001

Manufactured No

\*D4054-001\*

Tube Assembly

Location

Loc Qty

Loc Code

ST193

2

75976

2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Start Date: 3/15/2012

Required Date: 3/23/2012

Start Qty: 1.00

Required Qty: 1.00

D4054-003 Manufactured No

110 Each 2.0000 1 1

\*D4054-003\*

Tube Assembly

\*\*

SP

Location

Loc Qty

Loc Code

ST193

2

75980

2

1X

D3298-005 Manufactured No

110 Each 6.0000 1 1

\*D3298-005\*

Tube Assembly

\*\*

SP

Location

Loc Qty

Loc Code

ST192

6

75974

2

1X

77593

4

D3298-007 Manufactured No

110 Each 5.0000 1 1

\*D3298-007\*

Tube Assembly

\*\*

SP

Location

Loc Qty

Loc Code

ST192

5

75975

1

1X

77600

4

D4054-009 Manufactured No

110 Each 2.0000 1 1

\*D4054-009\*

Tube Assembly

\*\*

SP 12-03-21

Location

Loc Qty

Loc Code

ST193

2

75981

2

1X

# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Parent Item: D412-706-011

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Parent Item Name: Fuel Purge Canister

Start Date: 3/15/2012

Required Date: 3/23/2012

Start Qty: 1.00

Required Qty: 1.00

D3299-7 Manufactured No

110 Each 6.0000 1

**\*D3299-7\***

Fitting

\*\*

1  
SP

Location

Loc Qty

Loc Code

ST037

6

75977

6

D3299-3 Manufactured No

110 Each 6.0000 1

**\*D3299-3\***

Fitting

\*\*

1X  
1  
SP

Location

Loc Qty

Loc Code

ST037

6

75978

6

D3299-5 Manufactured No

110 Each 9.0000 1

**\*D3299-5\***

Fitting

\*\*

1X  
1  
SP

Location

Loc Qty

Loc Code

ST037

9

55531

1

75979

8

D3301-1 Manufactured No

110 Each 7.0000 1

**\*D3301-1\***

Placard

\*\*

1  
SP D-03-21

Location

Loc Qty

Loc Code

ST037

7

73092

1

77598

6

1X

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Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Parent Item: D412-706-011

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Parent Item Name: Fuel Purge Canister

Start Date: 3/15/2012

Required Date: 3/23/2012

Start Qty: 1.00

Required Qty: 1.00

D3301-3	Manufactured	No	110	Each	19.0000	1	1
*D3301-3*						**	SP
Placard							
			<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>		
			ST037	19			
			77203	9			IX
			77856	10			
D3302-1	Manufactured	No	110	Each	4.0000	1	1
*D3302-1*						**	SP
Doubler							
			<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>		
			ST198	4			
			73094	4			IX
D3302-3	Manufactured	No	110	Each	2.0000	1	1
*D3302-3*						**	SP
Doubler							
			<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>		
			ST198	2			IX
			73095	2			
D3329-1	Manufactured	No	110	Each	5.0000	2	2
*D3329-1*						**	SP 12-01-21
Bushing							
			<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>		
			ST038	5			
			73096	5			2x

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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Parent Item: D412-706-011

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Parent Item Name: Fuel Purge Canister

Start Date: 3/15/2012

Required Date: 3/23/2012

Start Qty: 1.00

Required Qty: 1.00

AN3-5A Purchased No 110 Each 1,172.000 4 4

**\*AN3-5A\***  
Bolt

\*\*

SP

Location	Loc Qty	Loc Code
ST350	1172	
115371	46	
117423	204	
118626	222	
119355	200	
120187	500	

AN814-8D Purchased No 110 Each 8.0000 1 1

**\*AN814-8D\***  
Plug

\*\*

SP

Location	Loc Qty	Loc Code
ST324	8	
119000	8	

AN815-6D Purchased No 110 Each 26.0000 2 2

**\*AN815-6D\***  
Union-M-Flare

\*\*

SP

Location	Loc Qty	Loc Code
ST325	26	
119396	6	
119433	2	
119438	18	

AN815-8D Purchased No 110 Each 4.0000 1 1

**\*AN815-8D\***  
Union-M-Flare

\*\*

SP 12-03-21

Location	Loc Qty	Loc Code
ST325	4	
119546	4	

1x

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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\*D412-706-011\*

Parent Item Name: Fuel Purge Canister

Start Date: 3/15/2012

Required Date: 3/23/2012

Start Qty: 1.00

Required Qty: 1.00

AN832-6D	Purchased	No	110	Each	49.0000	1	1
<b>*AN832-6D*</b>						**	SP
UNION							

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST326	49	
119014	9	1x
120693	40	

AN833-6D	Purchased	No	110	Each	11.0000	1	1
<b>*AN833-6D*</b>						**	SP
Elbow, Bulkhead-M-Flare							

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST327	5	
120820	5	
ST328	6	
118840	1	1x
119546	5	

AN833-8D	Purchased	No	110	Each	5.0000	1	1
<b>*AN833-8D*</b>						**	SP
ELBOW							

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST327	3	
120308	3	
ST328	2	
118823	2	1x

AN924-6D	Purchased	No	110	Each	28.0000	4	4
<b>*AN924-6D*</b>						**	SP 12-03-21
Nut							

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST329	28	
120521	8	4x
120693	20	

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Required Date: 3/23/2012

Start Qty: 1.00

Required Qty: 1.00

AN924-8D Purchased No

110

Each

8.0000

1

1

\*AN924-8D\*

NUT

\*\*

Location

Loc Qty

Loc Code

ST329

8

119510

8

AN938-6D

Purchased

No

110

Each

9.0000

1

1

\*AN938-6D\*

Tee

\*\*

Location

Loc Qty

Loc Code

ST330

9

119510

9

AN960JD10L

NAS1149D0332J

Purchased

No

110

Each

0.0000

4

\*AN960.ID10I\*

Washer

\*\*

AN960JD10

NAS1149D0363J

Purchased

No

110

Each

0.0000

8

\*AN960.ID10\*

Washer

\*\*

\*AN960JD916

NAS1149D0963J

Purchased

No

110

Each

0.0000

2

\*AN960.ID916\*

WASHER

\*\*

\*

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Parent Item Name: Fuel Purge Canister

Start Date: 3/15/2012

Required Date: 3/23/2012

Start Qty: 1.00

Required Qty: 1.00

MS21042L3 Purchased No

110 Each 3,091.000 4 4

\*MS21042L3\* *SP*

\*\*

*SP*

Nut

## Location

## Loc Qty

## Loc Code

ST300

3091

117441

16

117885

32

118451

5

118927

3

119017

2862

119075

173

*XX*

MS21919-WDG9 Purchased No

110 Each 205.0000 2 2

\*MS21919-WDG9\* *SP*

\*\*

*MA SP*

Clamp

## Location

## Loc Qty

## Loc Code

328

200

120986

200

ST307

5

120308

5

*2X*

MS21920-42 Purchased No

110 Each 18.0000 2 2

\*MS21920-42\*

\*\*

*SP 12-03-21*

CLAMP(per MIL-DTL-8783C) *SP*

## Location

## Loc Qty

## Loc Code

ST451

18

119659

8

119673

10

*2X*

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Start Date: 3/15/2012

Required Date: 3/23/2012

Start Qty: 1.00

Required Qty: 1.00

MS29512-06 Purchased No

110 Each 24.0000 7 7

**\*MS29512-06\***

O-RING

\*\*

Location

Loc Qty

Loc Code

ST293

24

120123

4

120360

20

MS29512-08 Purchased No

110 Each 10.0000 3 3

**\*MS29512-08\***

O-RING

\*\*

Location

Loc Qty

Loc Code

ST294

10

113706

1

119510

9

MS35489-16 Purchased No

110 Each 14.0000 1 1

**\*MS35489-16\***

GROMMET

\*\*

Location

Loc Qty

Loc Code

ST295

14

118006

14

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Shop Packet Print

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-706 REV. A AND ICA-D412-706 REV. 0

REF TCCA STC: SH04-54

REF FAA STC: SR02055NY

REF. EASA STC: EASA.IM.R.S.01180

## DESCRIPTION:

AT CHG 002, THE D412-706-011 FUEL PURGE CANISTER INSTALLATION HAS BEEN MODIFIED WITH LARGER VENT LINES TO ELIMINATE BACK PRESSURE THAT MAY OCCUR WHEN STARTING THE SECOND ENGINE IF THE CANISTER HAS NOT BEEN PROPERLY DRAINED. THE BACK PRESSURE IS EVIDENCED BY AN ONGOING VAPOR DISCHARGE FROM THE CANISTER VENT AT LOW TO MEDIUM RPM WHILE STARTING THE 2nd ENGINE. THE UPDATED PARTS LIST IS SHOWN BELOW:

IS

QTY -011	PART NUMBER	DESCRIPTION
X	D412-706-011	FUEL PURGE CANISTER INSTALLATION (212/412)
1	D2001-4	VALVE ASSEMBLY
1	D3262-043	CANISTER ASSEMBLY (WAS D3262-041)
2	D3264-1	BRACKET
1	D3297-1-0098	HOSE ASSEMBLY
1	D3297-3-0085	HOSE ASSEMBLY
1	D3297-3-0210	HOSE ASSEMBLY
1	D4054-001	TUBE ASSEMBLY (WAS D3298-001)
1	D4054-003	TUBE ASSEMBLY (WAS D3298-003)
1	D3298-005	TUBE ASSEMBLY
1	D3298-007	TUBE ASSEMBLY
1	D4054-009	TUBE ASSEMBLY (WAS D3298-009)
1	D3299-7	FITTING (WAS 3299-1)
1	D3299-3	FITTING
1	D3299-5	FITTING
1	D3301-1	PLACARD
1	D3301-3	PLACARD
1	D3302-1	DOUBLER
1	D3302-3	DOUBLER
2	D3329-1	BUSHING

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SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 81553

12-03-15

Continue on next sheet

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
APPROVED	
BY:	<u>D. SHEPHERD (DE # 02)</u>
DATE:	<u>11.06.06</u>
CERT. NO.:	<u>SH04-54</u>
ISSUE NO.:	<u>1</u>

B	SHEET 2: D412-706-011 KIT: QTY(7) MS29512-06 WAS QTY(8), QTY(3) MS29512-08 WAS QTY(2), MS35489-16 WAS MS35489-11; DSI 9494-011 KIT P/L: ADDED AN814-8D PLUG AND MS35489-16 GROMMET, QTY(3) MS29512-08 O-RING WAS QTY(2). SHEET 3: AN814-8D PLUG WAS AN814-6D PLUG AND MS29512-08 WAS MS29512-06. REASON: NCR11-641.		MB	11.06.03
A	NEW ISSUE		RF	10.01.07
REV.	DESCRIPTION		BY	DATE
DESIGN	RF	DART AEROSPACE LTD		
DRAWN	<u>B</u>	HAWKESBURY, ONTARIO, CANADA		
CHECKED	<u>W</u>	DRAWING NO.	REV. B	
MFG. APPR.	<u>N/A</u>	DSI 9494	SHEET 1 OF 3	
APPROVED	<u>SH</u>	TITLE	SCALE	
DE APPR.	<u>SH</u>	212/412 CANISTER UPGRADE KIT	NTS	
DATE	11.06.03	COPYRIGHT © 2010 BY DART AEROSPACE LTD		
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Continue from previous sheet

B	4	AN3-5A	BOLT	
	1	AN814-8D	PLUG	
	2	AN815-6D	UNION	
	1	AN815-8D	UNION	(WAS AN815-6D)
	1	AN832-6D	UNION	
	1	AN833-6D	ELBOW	
	1	AN833-8D	ELBOW	(WAS AN833-6D)
	4	AN924-6D	NUT	
	1	AN924-8D	NUT	(WAS AN924-6D)
	1	AN938-6D	TEE	
	4	AN960JD10L	WASHER (OR NAS1149D0332J)	
	8	AN960JD10	WASHER (OR NAS1149D0363J)	
	2	AN960JD916	WASHER	
	4	MS21042L3	NUT	
	2	MS21919WDG9	CLAMP	
	2	MS21920-42	CLAMP	
B	7	MS29512-06	O-RING	(WAS MS28778-6)
	3	MS29512-08	O-RING	(WAS MS28778-8)
	1	MS35489-16	GROMMET	


FOR CUSTOMERS WHO HAVE EXPERIENCED THIS PROBLEM IN SERVICE, THE DSI 9494-011 UPGRADE KIT IS AVAILABLE TO UPGRADE THE INSTALLATION FROM CHG 001 TO CHG 002.





QTY -011	PART NUMBER	DESCRIPTION
X	DSI 9494-011	212/412 CANISTER UPGRADE KIT
1	D3262-043	CANISTER ASSEMBLY
1	D4054-001	TUBE ASSEMBLY
1	D4054-003	TUBE ASSEMBLY
1	D4054-009	TUBE ASSEMBLY
1	D3299-7	FITTING
B	1	AN814-8D
	1	AN815-8D
	1	AN833-8D
	1	AN924-8D
B	3	MS29512-08
	1	MS35489-16

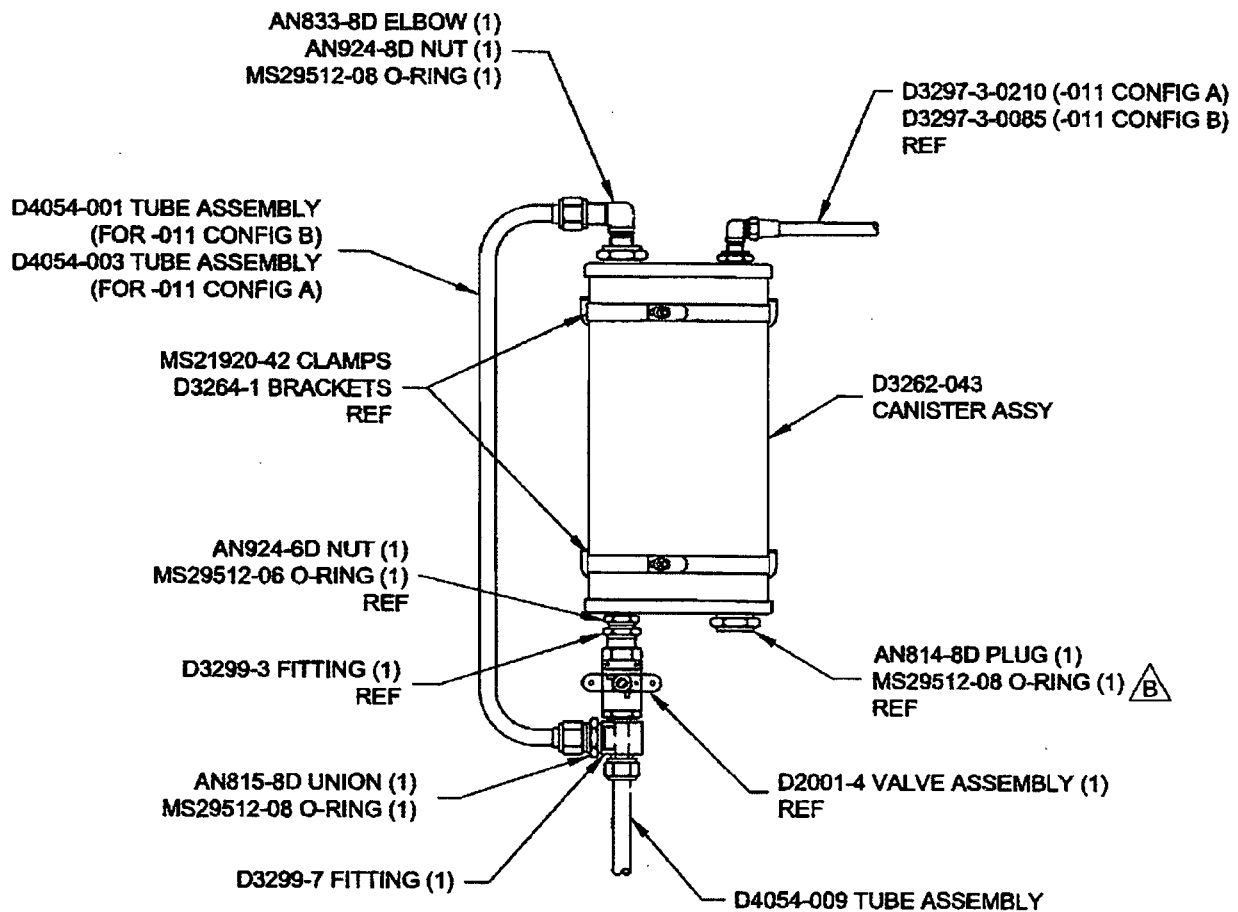
**WEIGHT AND BALANCE:**  
NO CHANGE

81553

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED  
BY:   
D. SHEPHERD (DE # 02)  
DATE: 11.06.06  
CERT. NO.: SH04-54  
ISSUE NO.: 1

DESIGN	RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
DRAWN		
CHECKED		DRAWING NO. <b>DSI 9494</b>
MFG. APPR.	UA	REV. B SHEET 2 OF 3
APPROVED		TITLE <b>212/412 CANISTER UPGRADE KIT</b>
DE APPR.		SCALE NTS
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**FIGURE 1. CANISTER ASSEMBLY**  
(-011 INSTALLATION AT CHG 002)

**B** NOTE: FOR THE LARGER D4054-009 LINE, CUSTOMER MUST DRILL A  $\varnothing 0.813$  HOLE AND INSTALL MS35489-16 GROMMET INSTEAD OF MS35489-11 GROMMET IN BELLY SKIN.

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED  
BY: *[Signature]*  
D. SHEPHERD (DE # 02)  
DATE: 11.06.06  
CERT. NO.: SH04-54  
ISSUE NO.: 1

DESIGN	RF	<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.	N/A	DSI 9494	SHEET 3 OF 3
APPROVED		TITLE	SCALE
DE APPR.		212/412 CANISTER UPGRADE KIT	NTS
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